

change in the reference resonant frequency, and a mass determining device configured to determine the mass of a substance, the amount of change in the reference resonant frequency being indicative of the mass of the substance. Instead, White *et al.* clearly teaches away from the applicants' claimed invention as recited in claim 1.

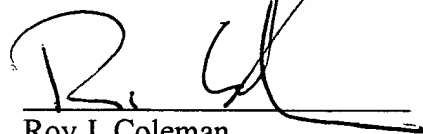
Accordingly, claim 1 is clearly allowable and patentable under 35 U.S.C. §102(b) and the Examiner's rejection of claim 1 under 35 U.S.C. §102(b) should be withdrawn. Because dependent claims 4, 6 and claim 23 depend from allowable base claim 1, claims 4, 6 and 23 are clearly allowable and patentable under 35 U.S.C. §102(b).

As stated above, White *et al.* does not disclose each and every element of the applicants' invention as recited in claim 1. Because claims 4, 6, and 23 depend from an allowable base claim, claims 4, 6, and 23 are also allowable and patentable under 35 U.S.C. §103(a).

Each of the Examiner's rejections has been addressed or traversed. Accordingly, it is respectfully submitted that the application is in condition for allowance. Early and favorable action is respectfully requested.

If for any reason this Response is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts, at (781)890-5678.

Respectfully submitted,


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